

# **Web-Interactive Software Testing Management Method and Computer System Including an Integrated Test Case Authoring Tool**

## **CROSS REFERENCE TO RELATED APPLICATION**

This application claims priority to U.S. S No. U.S. Provisional Patent Application Serial Number 60/430,378, filed December 3, 2002, herein incorporated by reference in its entirety.

## **BACKGROUND OF THE INVENTION**

### Field of the Invention

[0001] The invention relates generally to the field of computer science and specifically to the field of software development and testing.

### Background Art

[0002] As object-oriented software development becomes more complex, so does the ability to efficiently test software applications. It is estimated that more than 70% of the budgets of software development projects are allocated to testing, debugging, and maintaining the software and only 30% to the costs associated with design and coding. One of the problems encountered by software developers and testers involved in complex software projects is the insufficiency of documentation that conveys Requirements specifications. "Requirements" are the details describing the externally perceived functionality and properties of the application. Requirements should be clear, complete, reasonably detailed, cohesive, attainable, and most preferably "testable." A non-testable requirement would be, for example, the notion that the application is 'user-friendly,' which is subjective rather than objectively testable through end-user interaction with the application. A testable requirement, for example, would be one in which "the user must enter their previously-assigned password to access the application."